E.O. A-14-122-1

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EXECUTIVE ORDER A-14-122 Relating to Certification of New Motor Vehicles

TOYOTA MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1988 model-year Toyota Motors Corporation exhaust emission control systems are certified as described below for qasoline-powered light-duty trucks:

Engine Family		placement (Cubic Inches)	Exhaust Emission Control Systems (Special Features)		
JTY2.4T5FBE3	2.4	(144.4)	Air Injection - Valve Exhaust Gas Recirculation Heated Oxygen Sensor Three-Way Catalyst (Electronic Port Fuel Injection)		

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

Loaded Vehicle Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per mile	Nitrogen Oxides Grams per Mile		
3751-5750	0.50	9.0	1.0		

The following are the certification emission values for this engine family:

Loaded Vehicle Hydrocarbons Weight Grams per Mile		Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
3751-5750	0.23	2.8	0.2

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ... " (Title 13, California Administrative Code, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 26th day of August, 1987.

K. D. Drachand, Chief Mobile Source Division 17.11.00 Supplemental data sheets

17.11.00 Dupptemer	ical data bi							_
1	1988 AIR RES	SOURCES 1	BOARD S	UPPLEMENT	AL DATA	SHEET		4-14-123
							Page _	1
Manufacturer Toyota	Motor Corpo	oration	Engin	e Family	JI	Y2.4T5FB	E3	
Evaporative Family	EA-E		Engin	е Туре	4	cyl. in-	line	
			Liter	s (CID) _		.4 (144.	4)	
ABBREVIATIONS			•					
Ignition System		Exhaust	Emissi	ons Contr	ol Syst	em Spec	ial Feat	ures_
CA-Centrifugal Advan		AIP-Air	Inject	ion-Pump		ccv-	Combusti	on
ECU-Electronic Cont			-	ion-Valve			Chamber '	
EI-Electronic Ignit:		DBC-Dua		-			Central	
ESAC-Electronic Span	rk Advance			s Recircu			Injection	n
Control VA-Vacuum Advance				: Injectio fication	n Conti		Diesel Injectio	n-
VR-Vacuum Retard		_		atalyst			Direct	11
TIC TOOLUIC ICOULU		OS-Oxyg					Diesel	
				gen Senso	r		Injection	n-
				Limiter			Prechamb	
		Thr	ottle D	elay		EFI-	Electron	ic
			_	zer, Cont			Fuel Inj	
Fuel System			_	zer, Peri	odical	· ·	ntercool	
CFI, CL, DID, DIP,			_	Catalyst	a	_	r afterc	
nV-nVenturi Carbure	tor		_	xidation	_		Mechanic	
		MOTMC-M	arm-ob	Three-Way	Cataly		Fuel Inj On-Board	
							Diagnost	
							urbochar	
VEHICLE MODELS :								J
4-	Runner 4WD							
	61LG-MDEA							
	-MSEA			•				
RN	61LV-MSEA							
	-PDEA							
	-PSEA							
Engine: Front x	Mid.	Rea	r					
					A			
Drive: FWD	Po 1 100-							

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	1988 A	r resou	JRCES BO	DARD SUPPLEME	ental data sh	EET	
Passenger C	Cars Light-Du	ity Truc	cks <u>x</u>	Medium-Duty	Vehicles	Page Gas <u>x</u> Die	esel
Manufacture	er <u>Toyota Mo</u>	or Cor	poration	Engine	e family	JTY2.4T	FBE3
Liter (CID)	2.4	(144.4)		Eng. 1	Type 4 cyl.	. in-line	
Emission Co	ontrol Sys. (Spec	cial Fea	atures)	AIV	+ EGR + HOS	+ TWC (EFI)	
Engine	Vehicle Models (If Coded see attachment) (Dyno Hp: Refer to 08.13.03.00)	Туре	Test Weight	EEC,EI.ESAC Part No. [Computer] [Knock *1	CL, EFI Part No. [Computer]		Catalyst Part No.
21 thru 24	RN61LG-MDEA -MSEA RN61LV-MSEA	м5	3,750 3,875	89615-35030	89661-35130 22250-35020 23250-35030		18450-73040
25 thru 28	RN61LV-PDEA -PSEA	A4	3,875				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

Note *1 Maker: 89615-35030: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

89615-35040 : NIPPONDENSO CO., LTD.

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